

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently Amended) A system for simultaneously removing dust and volatile toxic organic compounds from contaminated air produced in a workshop, the system comprising:

a dust collecting unit disposed between an inlet duct and an outlet duct for removing dust;

an organic compound removing unit disposed between the inlet duct and the outlet duct for removing volatile toxic organic compounds; and

an inlet blower disposed between the dust collecting unit and the organic compound removing unit,

wherein the dust collecting unit is made up of a bag filter comprising:

a housing formed in the shape of a box and connected to the inlet duct;

a plurality of filtering members, ~~such as cloth or felt~~, arranged in the housing; and

dust collecting layers defined between the housing and the filtering members, and

wherein the organic compound removing unit comprises:

an absorbing apparatus for absorbing the volatile toxic organic compounds; and

regenerating heaters attached on the outer circumference of the absorbing apparatus, and

whereby wherein the dust and the volatile toxic organic compounds are removed when the contaminated air containing the dust and the volatile toxic organic compounds passes through the dust collecting unit and the organic compound removing unit.

2. (Currently Amended) The system as set forth in claim 1, wherein the filtering members of the bag filter are coated with Gore-Tex a water-repellant breathable laminated fabric, polyester, or polypropylene.

3. (Original) The system as set forth in claim 1, wherein the absorbing apparatus comprises:

- a first absorber having activated carbon put therein; and
- a second absorber having zeolite put therein.

4. (Currently Amended) The system as set forth in claim 1, wherein the absorbing apparatus comprises

a plurality of absorbing layers,

wherein the absorbing layers made of the activated carbon and the absorbing layers made of the zeolite are alternately stacked, or the absorbing layers are made of mixtures of the activated carbon and the zeolite.

5. (Currently Amended) A system for simultaneously removing dust and volatile toxic organic compounds from contaminated air produced in a workshop, comprising:

a dust collecting unit disposed between an inlet duct and an outlet duct for removing dust;

an organic compound removing unit disposed between the inlet duct and the outlet duct for removing volatile toxic organic compounds; and

an inlet blower disposed between the dust collecting unit and the organic compound removing unit,

wherein the dust collecting unit is made up of a bag filter comprising:

a housing formed in the shape of a box and connected to the inlet duct;

a plurality of filtering members, such as cloth or felt, arranged in the housing; and

dust collecting layers defined between the housing and the filtering members, wherein the organic compound removing unit comprises:

an absorbing apparatus for absorbing the volatile toxic organic compounds; and

regenerating heaters attached on the outer circumference of the absorbing apparatus, and

wherein the system further comprises:

a damper for changing the flow direction of the air to regenerate the absorbing apparatus; and

a water tank connected to a bypass duct for storing the volatile toxic organic compounds, and

whereby wherein the system separately performs

a dust collecting and volatile organic compound removing process in which gas is introduced into the inlet duct, and passes through the bag filter, the absorbing apparatus, the outlet duct, and a discharging unit in order, and

an absorbing apparatus regenerating process in which gas is introduced into the inlet duct, the gas introduced into the inlet duct passes through the bag filter, the gas having passed through the bag filter passed through the absorbing apparatus while the absorbing apparatus is heated by the regenerating heaters attached on the outer circumference of the absorbing apparatus, the gas having passed through the absorbing apparatus passes through the outlet duct, and the damper in order, and is then introduced into the water tank.

6. (Currently Amended) The system as set forth in claim 6 5, wherein the filtering members of the bag filter are coated with Gore-Tex a water-repellant breathable laminated fabric, polyester, or polypropylene.

7. (Currently Amended) The system as set forth in claim 6 5, wherein the absorbing apparatus comprises: a first absorber having activated carbon put therein; and a second absorber having zeolite put therein.

8. (Currently Amended) The system as set forth in claim 6 5, wherein the absorbing apparatus comprises

a plurality of absorbing layers,

wherein the absorbing layers made of the activated carbon and the absorbing layers made of the zeolite are alternately stacked, or the absorbing layers are made of mixtures of the activated carbon and the zeolite.

9. (New) The system as set forth in claim 1, wherein the filtering members of the bag filter are cloth or felt.

10. (New) The system as set forth in claim 5, wherein the filtering members of the bag filter are cloth or felt.